

and, if these brackets contain an

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## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATIONS (X) Original () Supplemental () Substitute

As a below named inventor, I hereby declare that:

United States and was accorded Application No.

X [ ], was amended, subsequent to entry into the national stage on

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an

original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled Gene Encoding a Protein Involved in the Signal Transduction Cascade Leading to Systemic Acquired Resistance in Plants

the specification of which

is attached hereto.

was filed on June 20, 1997 as Application No. 08/880,179 and, if these brackets contain an X [ ], was amended on

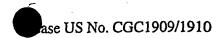
was filed as Patent Cooperation Treaty international Application No. PCT/

on , 199 , if these brackets contain an X [ ], entered the national stage in the

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment (s) referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by an amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge the duty to disclose all information which is known by me to be material to the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any Patent



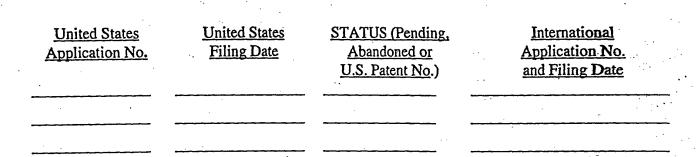
Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent or inventor's certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

Country (or PCT)	Application No.	Filing Date (Month/Day/Year)	Priority C	laimed
			Yes	☐ No
			Yes	□ No
·.			Yes Yes	☐ No
	· .	-	☐ Yes	☐ No
I hereby claim the bapplication(s) listed	penefit under 35 U.S.C. §11 below:	19(e) of any United State	es provisiona	<b>d</b>
Application No.	Filing Date	·	-	
60/020,272	June 21, 1996			•
60/024,883	August 30, 1996			
60/033,177	December 13, 1996			
60/034,379	December 27, 1996			-
60/034,730	January 10, 1997			

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge my duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or Patent Cooperation Treaty international filing date of this application:

January 10, 1997

60/035,022



I hereby appoint the registered practitioners associated with Customer No. 001095 (currently)

Michael W. Glynn (Reg. No. 27,285) Melvyn M. Kassenoff (Reg. No. 26,389)

Joseph J. Borovian (Reg. No. 26,631) Diane E. Furman (Reg. No. 31,104)

Geoffrey Karny (Reg. No. 31,382) Marla J. Mathias (Reg. No. 32,663)

Thomas Hoxie (Reg. No. 32,993) William A. Teoli, Jr. (Reg. No. 33,104)

Henry P. Nowak (Reg. No. 33,200) George R. Dohmann (Reg. No. 33,593)

Kenneth R. Moseley (Reg. No. 33,973) Larry W. Stults (Reg. No. 34,025)

Michael P. Morris (Reg. No. 34,513)

R. Scott Meece (Reg. No. 34,675)

Michael U. Lee (Reg. No. 35,240) Carol A. Loeschorn (Reg. No. 35,590)

Gregory D. Ferraro (Reg. No. 36,134)

J. Timothy Meigs (Reg. No. 38,241)

Gary M. Pace (Reg. No. 40,403) Hesna J. Pfeiffer (Reg. No. 22,640),

Gabriel Lopez (Reg. No. 28,440) Norbert Gruenfeld (Reg. No. 30,061)

Lynn Marcus-Wyner (Reg. No. 34,869)

respectively and individually, as my attorneys and agents, with full power of substitution, and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If these brackets contain an X [X], I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from the Patents and Trademarks Division of Novartis Services AG., Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please address all telephone calls to J. Timothy Meigs (919) 541-8587. Please address all correspondence to Michael W. Glynn, Patent & Trademark Department, Novartis Corporation, 59 Rte 10, East Hanover, New Jersey 07936-1080.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of sole	John Andrew Ryais	•
or first inventor	Mahar G. Se	10 A I po
Inventor's signature	Manw 19st	Date 28 August 1988
Residence .	303 Brittany Place Cary, North Carolina 27511	10 ° 2. 11 ° 2. 12 ° 2.
Citizenship	United States	
Post Office Address	Same as Above	<b>:</b>
Full name of second or joint inventor, if ar	Terrence Patrick Delaney	
Inventor's signature		_ Date
Residence	18 Bean Hill Lane Ithaca, New York 14850	
Citizenship	United States	
Post Office Address	Same as Above	•

Leslie Bethards Friedrich Full name of third joint inventor, if any Inventor's signature 4208 Wyckford Place Residence Apex, North Carolina 27502 United States Citizenship Same as Above Post Office Address Kristianna Baldwin Weymann Full name of fourth joint inventor, if any Inventor's signature 7033 SE 34th Street Residence Portland, Oregon 97202 United States Citizenship

Full name of fifth Kay Ann Lawton or joint inventor, if any

Post Office Address Same as Above

Inventor's signature

8016 Crooked Chute Court

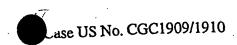
Raleigh, North Carolina 27612

Citizenship

Residence

United States

Full name of sixth joint inventor, if any Inventor's signature	Daniel Murray Ellis	L Date <u>8/29/9</u>	<u>2</u>
Residence	201 Medcon Court Cary, North Carolina 27511		
Citizenship	United States		
Post Office Address	Same as Above		
Full name of seventh joint inventor, if any	Scott Joseph Uknes	Date 8-28	- 97
Inventor's signature	Sul fill	Date0	
Residence	1003 Pinedale Drive Apex, North Carolina 27502		
Citizenship	United States		
Post Office Address	Same as Above	·	  
Full name of eighth joint inventor, if any	Taco Peter Jesse	:	
Inventor's signature		Date	
Residence	Johan Fabriciuskade 10 6708 SG, The Netherlands		
Citizenship			



Full name of ninth joint inventor, if any Pieter Vos

Inventor's signature

Residence

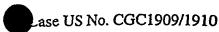
Dorpstraat 22 3927 BD Renswoude, The Netherlands

Citizenship

Netherlands

Post Office Address

Same as Above



## ) Supplemental (X) Original

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

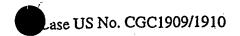
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled Gene Encoding a Protein Involved in the Signal Transduction Cascade Leading to Systemic Acquired Resistance in Plants

me sp	compatit	/// OI WIIIOII	•		
	is attac	hed hereto.			
$\boxtimes$	was file	ed on June 20	), 1997 as Application No. 08/880,	179 and, if these brackets	, .
,	contain	an X [ ], w	as amended on .		
	was file	ed as Patent (	Cooperation Treaty international A	pplication No. PCT/	<b>,</b>
	on	, 199	, if these brackets contain an X [	], entered the national sta	age in the
	United	States and w	as accorded Application No.	and, if these brackets cor	ntain an
	יו זע	waa amanda	I subsequent to entry into the notice	nol stage on 100	

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I hereby claim the benefit under 35 U.S.C. §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any Patent



Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent or inventor's certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

Country (or PCT)	Application No.	Filing Date (Month/Day/Year)	Priority Claimed	
			Yes	☐ No
	· .		☐ Yes	☐ No
·.			Yes Yes	☐ No
			Yes	☐ No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/020,272	June 21, 1996
60/024,883	August 30, 1996
60/033,177	December 13, 1996
60/034,379	December 27, 1996
60/034,730	January 10, 1997
60/035,022	January 10, 1997

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<u>United States</u> Application No.	United States Filing Date	STATUS (Pending, Abandoned or U.S. Patent No.)	 International Application No. and Filing Date

I hereby appoint the registered practitioners associated with Customer No. 001095 (currently)

Michael W. Glynn (Reg. No. 27,285)

Melvyn M. Kassenoff (Reg. No. 26,389)

Joseph J. Borovian (Reg. No. 26,631)

Diane E. Furman (Reg. No. 31,104)

Geoffrey Karny (Reg. No. 31,382)

Marla J. Mathias (Reg. No. 32,663)

Thomas Hoxie (Reg. No. 32,993)

William A. Teoli, Jr. (Reg. No. 33,104)

Henry P. Nowak (Reg. No. 33,200)

George R. Dohmann (Reg. No. 33,593)

Kenneth R. Moseley (Reg. No. 33,973)

Larry W. Stults (Reg. No. 34,025)

Michael P. Morris (Reg. No. 34,513)

R. Scott Meece (Reg. No. 34,675)

Michael U. Lee (Reg. No. 35,240)

Carol A. Loeschorn (Reg. No. 35,590)

Gregory D. Ferraro (Reg. No. 36,134)

J. Timothy Meigs (Reg. No. 38,241)

Gary M. Pace (Reg. No. 40,403)

Hesna J. Pfeiffer (Reg. No. 22,640),

Gabriel Lopez (Reg. No. 28,440)

Norbert Gruenfeld (Reg. No. 30,061)

Lynn Marcus-Wyner (Reg. No. 34,869)

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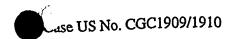
Please address all telephone calls to J. Timothy Meigs (919) 541-8587. Please address all correspondence to Michael W. Glynn, Patent & Trademark Department, Novartis Corporation, 59 Rte 10, East Hanover, New Jersey 07936-1080.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

or first inventor	John Andrew Ryais
Inventor's signature	Date
Residence	303 Brittany Place Cary, North Carolina 27511
Citizenship	United States
Post Office Address	Same as Above :
or joint inventor, if a	
Inventor's signature	Jenesser Petrick Dilaney Date Supr. 3 1997
Residence	18 Bean Hill Lane Ithaca, New York 14850
Citizenship	United States
Post Office Address	Same as Above

1 411 110-01-	Leslie Bethards Friedrich			
joint inventor, if any				
Tamanton's signature		Date		· · · · · ·
Tuvellor 2 signature -		7		
Residence	4208 Wyckford Place Apex, North Carolina 27502		1.1	
		•		
Citizenship	United States			
Post Office Address	Same as Above			- 1
·				
Full name of fourth joint inventor, if any	Kristianna Baldwin Weymann			· ·
Inventor's signature		Date		
Inventor 3 315 means	•		÷.	
Residence	7033 SE 34 <sup>th</sup> Street Portland, Oregon 97202			
Citizenship	United States			
Post Office Address	Same as Above			,
		•		
Full name of fifth or joint inventor, if	Kay Ann Lawton any	•		
		Date	•	
Inventor's signature				
Residence	8016 Crooked Chute Court Raleigh, North Carolina 27612	·		••
Citizenship	United States		• •	
Post Office Address	s Same as Above			



Full name of sixth joint inventor, if any	Daniel Murray Ellis	
Inventor's signature		Date
Inventor 2 signaturo _		
Residence	201 Medcon Court Cary, North Carolina 27511	
Citizenship	United States	
Post Office Address	Same as Above	
, 00. 0		
Full name of seventh joint inventor, if any	Scott Joseph Uknes	
Inventor's signature		Date
Residence	1003 Pinedale Drive Apex, North Carolina 27502	
Citizenship	United States	•
Post Office Address	Same as Above	
•		
Full name of eighth joint inventor, if any	Taco Peter Jesse	<b>:</b>
Inventor's signature	):i	Date
Residence	Johan Fabriciuskade 10 6708 SG, The Netherlands	
Citizenship		
Post Office Address	s Same as Above	·•

Full name of ninth joint inventor, if any	Pieter Vos		
Inventor's signature		_Date	 
Residence	Dorpstraat 22 3927 BD Renswoude, The Netherland	ds	
Citizenship	Netherlands	-	· · · · ·

, 199

DECLARATION AND POW	ER OF ATTORNEY FOR UNI	TED STATES PATENT APPLICA	<u>TIONS</u>
(X) Original	( ) Supplemental	( ) Substitute	

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an

original, first and joint inventor (if more than one name is listed below) of the subject matterwhich is claimed and for which a United States patent is sought on the invention entitled Gene Encoding a Protein Involved in the Signal Transduction Cascade Leading to Systemic Acquired Resistance in Plants the specification of which is attached hereto. П was filed on June 20, 1997 as Application No. 08/880,179 and, if these brackets M contain an X [ ], was amended on was filed as Patent Cooperation Treaty international Application No. PCT/ , if these brackets contain an X [ ], entered the national stage in the , 199 on and, if these brackets contain an

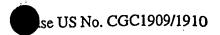
United States and was accorded Application No.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment (s) referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by an amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

X [ ], was amended, subsequent to entry into the national stage on

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Country (or PCT)	Application No.	Filing Date (Month/Day/Year)	Priority Cl	aimed
			Yes	☐ No
	· · · .	-	☐ Yes	□ No
· · · · · · · · · · · · · · · · · · ·		•	☐ Yes	☐ No
			Yes	☐ No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/020,272	June 21, 1996
60/024,883	August 30, 1996
60/033,177	December 13, 1996
60/034,379	December 27, 1996
60/034,730	January 10, 1997
60/035,022	January 10, 1997

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International

Application No.

		Case US No. CGC1909/1910
•		

STATUS (Pending.

Abandoned or

<u> </u>	U.S. Patent No.) and Filing Date
I hereby appoint the registered practitioners	associated with Customer No. 001095 (currently)
Michael W. Glynn (Reg. No. 27,285)	Melvyn M. Kassenoff (Reg. No. 26,389)
Joseph J. Borovian (Reg. No. 26,631)	Diane E. Furman (Reg. No. 31,104)
Geoffrey Karny (Reg. No. 31,382)	Marla J. Mathias (Reg. No. 32,663)
Thomas Hoxie (Reg. No. 32,993)	William A. Teoli, Jr. (Reg. No. 33,104)
Henry P. Nowak (Reg. No. 33,200)	George R. Dohmann (Reg. No. 33,593)
Kenneth R. Moseley (Reg. No. 33,973)	Larry W. Stults (Reg. No. 34,025)
Michael P. Morris (Reg. No. 34,513)	R. Scott Meece (Reg. No. 34,675)
Michael U. Lee (Reg. No. 35,240)	Carol A. Loeschorn (Reg. No. 35,590)
Gregory D. Ferraro (Reg. No. 36,134)	J. Timothy Meigs (Reg. No. 38,241)
Gary M. Pace (Reg. No. 40,403)	Hesna J. Pfeiffer (Reg. No. 22,640),
Gabriel Lopez (Reg. No. 28,440)	Norbert Gruenfeld (Reg. No. 30,061)
Lynn Marcus-Wyner (Reg. No. 34,869)	
respectively and individually, as my attorney	s and agents, with full power of substitution, and

United States

Filing Date

revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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United States

Application No.

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IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of sole or first inventor	John Andrew Ryals		
Inventor's signature		Date	·
Residence	303 Brittany Place Cary, North Carolina 27511		
Citizenship	United States		
Post Office Address	Same as Above	<b>:</b> .	
Full name of second or joint inventor, if an	Terrence Patrick Delaney		
Inventor's signature	· .	Date	
Residence	18 Bean Hill Lane Ithaca, New York 14850		
Citizenship	United States		
Post Office Address	Same as Above		

Full name of third joint inventor, if any	Leslie Bethards Friedrich	
Inventor's signature _	Da	te :
Residence	4208 Wyckford Place Apex, North Carolina 27502	
Citizenship	United States	
Post Office Address	Same as Above	
100.01		
Full name of fourth joint inventor, if any	Kristianna Baldwin Weymann  Lidrams Baldwin Weyn	Date 3 Sept 97
Inventor's signature		••
Residence	7033 SE 34 <sup>th</sup> Street Portland, Oregon 97202	
Citizenship	United States	
Post Office Addres	Same as Above	
Full name of fifth or joint inventor, if	Kay Ann Lawton any	
Inventor's signatur	re	Date
Residence	8016 Crooked Chute Court Raleigh, North Carolina 27612	
Citizenship	United States	
Post Office Addre	Same as Above	

Full name of sixth joint inventor, if any	Daniel Murray Ellis		
Inventor's signature		Date	
Inventor's signature_			
Residence	201 Medcon Court Cary, North Carolina 27511		
Citizenship	United States		· · ·
Post Office Address	Same as Above		•
		<u>~</u>	
٠.			. •
Full name of seventh	Scott Joseph Uknes		
joint inventor, if any			, •
Inventor's signature		Date	<del>-</del>
Residence	1003 Pinedale Drive Apex, North Carolina 27502		
Citizenship	United States		
Post Office Address	Same as Above		
7000,000			•
			-
Full name of eighth joint inventor, if an	Taco Peter Jesse y		· .
•		Date	
Inventor's signature	e		
Residence	Johan Fabriciuskade 10 6708 SG, The Netherlands		
Citizenship			

Full name of ninth joint inventor, if any	Pieter Vos			• .
Inventor's signature		_Date	·	
				::
Residence	Dorpstraat 22 3927 BD Renswoude, The Netherland	is		
Citizenship	Netherlands			
Post Office Address	Same as Above			

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## <u>DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATIONS</u> (X) Original () Supplemental () Substitute

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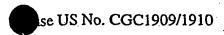
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled Gene Encoding a Protein Involved in the Signal Transduction Cascade Leading to Systemic Acquired Resistance in Plants the specification of which is attached hereto.  $\boxtimes$ was filed on June 20, 1997 as Application No. 08/880,179 and, if these brackets contain an X [ ], was amended on was filed as Patent Cooperation Treaty international Application No. PCT/ , if these brackets contain an X [ ], entered the national stage in the . 199 on United States and was accorded Application No. and, if these brackets contain an

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I acknowledge the duty to disclose all information which is known by me to be material to the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any Patent



Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent or inventor's certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

Country (or PCT)	Application No.	Filing Date (Month/Day/Year)	Priority Cl	aimed
			☐ Yes	□ No
	·.		☐ Yes	□ No
	·.		Yes Yes	☐ No
			☐ Yes	☐ No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/020,272	June 21, 1996
60/024,883	August 30, 1996
60/033,177	December 13, 1996
60/034,379	December 27, 1996
60/034,730	January 10, 1997
60/035,022	January 10, 1997

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any Patent Cooperation Treaty international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge my duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or Patent Cooperation Treaty international filing date of this application:

<u>United States</u> <u>Application No.</u>	United States Filing Date	STATUS (Pending, Abandoned or U.S. Patent No.)	International Application No. and Filing Date
	<del></del>		
		-	

I hereby appoint the registered practitioners associated with Customer No. 001095 (currently)

Michael W. Glynn (Reg. No. 27,285)

Melvyn M. Kassenoff (Reg. No. 26,389)

Joseph J. Borovian (Reg. No. 26,631)

Diane E. Furman (Reg. No. 31,104)

Geoffrey Karny (Reg. No. 31,382)

Marla J. Mathias (Reg. No. 32,663)

Thomas Hoxie (Reg. No. 32,993)

William A. Teoli, Jr. (Reg. No. 33,104)

Henry P. Nowak (Reg. No. 33,200)

George R. Dohmann (Reg. No. 33,593)

Kenneth R. Moseley (Reg. No. 33,973)

Larry W. Stults (Reg. No. 34,025)

Michael P. Morris (Reg. No. 34,513)

R. Scott Meece (Reg. No. 34,675)

Michael U. Lee (Reg. No. 35,240)

Carol A. Loeschorn (Reg. No. 35,590)

Gregory D. Ferraro (Reg. No. 36,134)

J. Timothy Meigs (Reg. No. 38,241)

Gary M. Pace (Reg. No. 40,403)

Hesna J. Pfeiffer (Reg. No. 22,640),

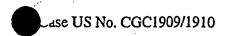
Gabriel Lopez (Reg. No. 28,440)

Norbert Gruenfeld (Reg. No. 30,061)

Lynn Marcus-Wyner (Reg. No. 34,869)

respectively and individually, as my attorneys and agents, with full power of substitution, and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If these brackets contain an X [X], I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from the Patents and Trademarks Division of Novartis Services AG., Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.



Please address all telephone calls to J. Timothy Meigs (919) 541-8587. Please address all correspondence to Michael W. Glynn, Patent & Trademark Department, Novartis Corporation, 59 Rte 10, East Hanover, New Jersey 07936-1080.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

or first inventor	John Andrew Ryais		
Inventor's signature		Date	
Residence	303 Brittany Place Cary, North Carolina 27511		
Citizenship	United States	•	·
Post Office Address	Same as Above	<b>:</b>	
Full name of second or joint inventor, if an	Terrence Patrick Delaney		
Inventor's signature	· · · · · · · · · · · · · · · · · · ·	Date	
Residence	18 Bean Hill Lane Ithaca, New York 14850		
Citizenship	United States		
Post Office Address	Same as Above		•

			٠
Full name of third	Leslie Bethards Friedrich		٠.
joint inventor, if any		:	
Inventor's signature		Date	
<b>2</b>			,
Residence	4208 Wyckford Place Apex, North Carolina 27502		
Citizenship	United States		
Post Office Address	Same as Above		
			. •
Full name of fourth joint inventor, if any	Kristianna Baldwin Weymann		
Inventor's signature		Date	
Inventor p organism		·*	
Residence	7033 SE 34th Street Portland, Oregon 97202		
Citizenship	United States		
Post Office Addres	s Same as Above	•	•
		•	
•		•	
Full name of fifth or joint inventor, if	Kay Ann Lawton	•	
		Data	•
Inventor's signatur	e	Date	
Residence	8016 Crooked Chute Court Raleigh, North Carolina 27612		

Post Office Address

Citizenship

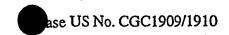
United States

Same as Above

•			
Full name of sixth joint inventor, if any	Daniel Murray Ellis		
Joint inventor, it any		· ·	
Inventor's signature_		Date	
Inventor 2 signature -			
Residence	201 Medcon Court		•
Vesidonoo	Cary, North Carolina 27511	•	<b>':</b>
•			
Citizenship	United States		
• •			•
Post Office Address	Same as Above		• .
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· · · · · ·	·.	•	• • •
	The state of the s	•	
Full name of seventh	Scott Joseph Uknes		
joint inventor, if any			
		Date	·
Inventor's signature			•
D. Maria	1003 Pinedale Drive		• •
Residence	Apex, North Carolina 27502		•
•	11000, 110100		
Citizenship	United States		
Chizenship			
Post Office Address	Same as Above		
1000 011100		•	
			•
			· .
Full name of eighth	Taco Peter Jesse	• • •	•
joint inventor, if any	/ // <b>/</b>	(	o, the
	(110)	Date _ C	Sent. 10
Inventor's signature		Date	1000
	Johan Fabriciuskade 10		' 1774
Residence	6708 SG The Netherlands		
	ONO SOIL HIE LIGHTING		

Citizenship

Full name of ninth joint inventor, if any	Pieter Vos	
Inventor's signature	Date	
Residence	Dorpstraat 22 3927 BD Renswoude, The Netherlands	
Citizenship	Netherlands	
Post Office Address	Same as Above	



## DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATIONS (X) Original () Supplemental () Substitute

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if more than one name is listed below) of the subject matter which is claimed and for which a United States patent is sought on the invention entitled Gene Encoding a Protein Involved in the Signal Transduction Cascade Leading to Systemic Acquired Resistance in Plants

the specification of which

the sp	ecificati	on of which		•		
	is atta	ched hereto.				<b>∨</b> •
$\boxtimes$	was fi	was filed on June 20, 1997 as Application No. 08/880,179 and, if these brackets				
	contai	n an X [ ],	was amended on .			
	was fi	led as Patent	Cooperation Treaty international A	Application No. I	PCT/	· · · · · · · · · · · · · · · · · · ·
	on	, 199	, if these brackets contain an X [	], entered the n	ational stag	ge in the
	United	d States and	was accorded Application No.	and, if these br	ackets cont	ain an
•	X[]	, was amend	ed, subsequent to entry into the nation	onal stage on	, 199	• -

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment (s) referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by an amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge the duty to disclose all information which is known by me to be material to the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any Patent



Cooperation Treaty international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent or inventor's certificate and Patent Cooperation Treaty international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

Country (or PCT)	Application No. Filing Date (Month/Day/Year)		•
	<del></del>		Yes No
	·.		☐ Yes ☐ No
		<del>-</del>	☐ Yes ☐ No
	· · · · · · · · · · · · · · · · · · ·		Yes No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

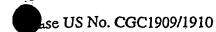
Application No.	Filing Date
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International

Application No.

and Filing Date



I hereby appoint the registered practitioners	associated with Customer No. 001095 (currently)
Michael W. Glynn (Reg. No. 27,285)	Melvyn M. Kassenoff (Reg. No. 26,389)
Joseph J. Borovian (Reg. No. 26,631)	Diane E. Furman (Reg. No. 31,104)
Geoffrey Karny (Reg. No. 31,382)	Marla J. Mathias (Reg. No. 32,663)
Thomas Hoxie (Reg. No. 32,993)	William A. Teoli, Jr. (Reg. No. 33,104)
Henry P. Nowak (Reg. No. 33,200)	George R. Dohmann (Reg. No. 33,593)
Kenneth R. Moseley (Reg. No. 33,973)	Larry W. Stults (Reg. No. 34,025)
Michael P. Morris (Reg. No. 34,513)	R. Scott Meece (Reg. No. 34,675)
Michael U. Lee (Reg. No. 35,240)	Carol A. Loeschorn (Reg. No. 35,590)
Gregory D. Ferraro (Reg. No. 36,134)	J. Timothy Meigs (Reg. No. 38,241)
Gary M. Pace (Reg. No. 40,403)	Hesna J. Pfeiffer (Reg. No. 22,640),
Gabriel Lopez (Reg. No. 28,440)	Norbert Gruenfeld (Reg. No. 30,061)
Lynn Marcus-Wyner (Reg. No. 34,869)	
respectively and individually, as my attorney	s and agents, with full power of substitution, and

STATUS (Pending,

Abandoned or

U.S. Patent No.)

United States

Filing Date

**United States** 

Application No.

If these brackets contain an X [X], I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from the Patents and Trademarks Division of Novartis Services AG., Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

revocation, to prosecute this application and to transact all business in the Patent and Trademark

Office connected therewith.

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IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Full name of sole or first inventor	John Andrew Ryals		
Inventor's signature		Date	<del></del>
Residence	303 Brittany Place Cary, North Carolina 27511		
Citizenship	United States		
Post Office Address	Same as Above	;	
Full name of second or joint inventor, if an	Terrence Patrick Delaney		
Inventor's signature	· .	Date	
Residence	18 Bean Hill Lane Ithaca, New York 14850	· ·	
Citizenship	United States	·	
Post Office Address	Same as Above		-

•	•	
Full name of third joint inventor, if any	Leslie Bethards Friedrich	
Inventor's signature_		Date
Residence	4208 Wyckford Place Apex, North Carolina 27502	
•		
Citizenship	United States	
Post Office Address	Same as Above	
Full name of fourth joint inventor, if any	Kristianna Baldwin Weymann	
•		Date
Inventor's signature		
Residence	7033 SE 34 <sup>th</sup> Street Portland, Oregon 97202	
Citizenship	United States	
Post Office Address	Same as Above	
Full name of fifth or joint inventor, if	Kay Ann Lawton any	
Inventor's signatur	e	Date
Residence	8016 Crooked Chute Court Raleigh, North Carolina 27612	
Citizenship	United States	
Post Office Addre	SS Same as Above	

Full name of sixth I joint inventor, if any	Daniel Murray Ellis		
Inventor's signature		Date	
Desidones	201 Medcon Court Cary, North Carolina 27511		
Citizenship	United States		
Post Office Address	Same as Above	**************************************	•
		~	ener <sup>a</sup>
		*. •	
Full name of seventh joint inventor, if any	Scott Joseph Uknes		
		TO: An	
Inventor's signature_		Date	
Residence	1003 Pinedale Drive Apex, North Carolina 27502		
Citizenship	United States		
Post Office Address	Same as Above		
			•
Full name of eighth joint inventor, if any	Taco Peter Jesse	<b>;</b>	
		Date	<del></del>
Inventor's signature		·.,	
Residence	Johan Fabriciuskade 10 6708 SG, The Netherlands		
Citizenship			
Post Office Address	Same as Above	· .	

Full name of ninth joint inventor, if any

Pieter Vos

Inventor's signature

Date W.09.1997

Residence

Dorpstraat 22

3927 BD Renswoude, The Netherlands

Citizenship

Netherlands